Amendments to the Claims

The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1 1 (Previously Presented). A speech recognition system, comprising:

at least one recognizer to produce output signals from audio input signals based at least in part on speech models and a grammar file, the grammar file including at least one command syntax;

a feedback module to generate feedback data, the feedback module modifying the speech models and the grammar file based on the feedback data to improve the performance of the at least one recognizer; and

a controller adaptable to select one recognizer based at least in part on the feedback data from the at least one recognizer for an input utterance, the selected recognizer performing most accurately for the input utterance among the at least one recognizer.

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2 (Previously Presented). The speech recognition system of claim 1, wherein the controller is operable to coordinate production of the output signals.

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| 1 | 3 (Previously Presented). The speech recognition system of claim 1, wherein the |
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| 2 | controller is adaptable to provide the feedback data to the at least one recognizer |
| 3 | wherein the at least one recognizer is operable to receive the feedback data. |
| 1 | |
| 1 | 4 (Cancelled). |
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| 1 | 5 (Previously Presented). The speech recognition system of claim 1, wherein the |
| 2 | controller is adaptable to store the feedback data in a storage. |
| 1 | |
| 1 | 6 (Cancelled). |
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| 1 | 7 (Previously Presented). The speech recognition system of claim 1, wherein the |
| 2 | feedback module modifies the grammar file by updating the grammar files to include a |
| 3 | weighting for possibilities based upon the feedback data. |
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| 1 | 8. (Cancelled). |
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| 1 | 9 (Previously Presented). The system of claim 1, where the feedback module is |
| 2 | adapted to generate the feedback data based on internal analysis of at least one of the |
| 3 | grammar file, dialog progression, or the output signals. |
| 1 | |
| ı | 10 (Previously Presented). The system of claim 1, wherein the feedback module |
| 2 | is adapted to generate the feedback data based on external inputs comprising at least |

| 3 | one of an annotated grammar file or information received through an application |
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| 4 | programming interface. |
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| 1 | 11-15. (Cancelled) |
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| 1 | 16 (Previously Presented). A method for automatically tuning a speech |
| 2 | recognizer using feedback data, comprising: |
| 3 | converting an audio input signal to an output signal by the speech recognizer, |
| 4 | the speech recognizer having speech models and a grammar file, the grammar file |
| 5 | including at least one command syntax; |
| 6 | estimating a correctness measure based at least in part on the grammar file, |
| 7 | wherein the correctness measure expresses if the output signal is a correct |
| 8 | representation of the audio input signal; |
| 9 | generating feedback data, the feedback data including at least one of the audio |
| 10 | input signal, the output signal, and the correctness measure; and |
| 11 | using the feedback data to tune the speech recognizer by modifying the speech |
| 12 | models and the grammar file. |
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| 1 | 17 (Previously Presented). The method of claim 16, further comprising storing |
| 2 | the feedback data. |
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| 1 | 18 (Previously Presented). The method of claim 17, wherein storing the feedback |
| 2 | data comprises storing one of the group comprised of: only feedback data for which the |

| 3 | correction measure indicates that the output signal was not correct and feedback data |
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| 4 | for which the correction measure indicates that the output signal was correct. |
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| 1 | 19 (Previously Presented). The method of claim 16, wherein the feedback data is |
| 2 | filtered according to a criterion. |
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| 1 | 20 (Cancelled). |
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| 1 | 21 (Previously Presented). The method of claim 16, further comprising providing |
| 2 | the feedback data to the speech recognition system in which the feedback data is being |
| 3 | collected. |
| 1 | |
| 1 | 22 (Currently Amended). The method of claim 16 wherein estimating a |
| 2 | correctness measure further comprises at least one of receiving information through an |
| 3 | application programming interface, analyzing grammar files, analyzing or analyzing the |
| 4 | output signal, or analyzing dialog progression. |
| 1 | |
| 1 | 23 (Previously Presented). The method of claim 16, further comprising: |
| 2 | assigning an identifier to the audio input signal; and |
| 3 | including the identifier as part of the feedback data. |
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| 1 | 24 (Previously Presented). The method of claim 16, further comprising: |
| 2 | identifying relevant contextual information; and |

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| 3 | including the relevant contextual information as part of the feedback data. |
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| 1 | |
| 1 | 25 (Currently Amended). An article comprising a machine-readable medium that |
| 2 | contains instructions, which when executed by a processing platform, cause said |
| 3 | processing platform to perform operations comprising: |
| 4 | converting an audio input signal to an output signal by a speech recognition |
| 5 | system, the speech recognizer having speech models and a grammar file, the grammar |
| 6 | file including at least one command syntax; |
| 7 | estimating a correctness measure based at least in part on the grammar file, |
| 8 | wherein the correctness measure expresses if the output signal is a correct |
| 9 | representation of the audio input signal, and estimating the correctness measure |
| 10 | includes analyzing dialog progression; |
| 11 | generating feedback data, the feedback data including at least one of the audio |
| 12 | input signal, the output signal, and the correctness measure; and |
| 13 | using the feedback data to tune the speech recognizer by modifying the speech |
| 14 | models and the grammar file. |
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| 1 | 26 (Previously Presented). The article of claim 25, wherein the operations further |
| 2 | comprise providing the feedback data to the speech recognizer in which the feedback |
| 3 | data is being collected. |
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| 1 | 27 (Previously Presented). The article of claim 25, wherein the operations further |
| 2 | comprise utilizing the feedback data, wherein utilizing the feedback data includes at |

- 3 least one of modifying the grammar file based on the feedback data, updating speech 4 models based on the feedback data, or updating a prediction mechanisms based on the 5 feedback data. 1 1 28 (Previously Presented). The article of claim 25, wherein the operations further 2 comprise storing only those audio input signals for which the correction status indicates 3 that a correction to the output signal was necessary.
- 1 29 (Cancelled).

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1 30 (New). The method of claim 16 wherein estimating a correctness measure 2 further comprises analyzing the output signal.

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